

ABSTRACT

The present invention relates to the field of research for drug formulations. More particularly, this invention is directed toward an apparatus and method of performing parallel synthesis and screening of multiple drug compositions for stability and compatibility when exposed to various conditions over time, including various environmental and/or chemical conditions. In one aspect, the invention includes a method of testing for effects of a condition on a drug sample. The method includes providing an array of drug samples, simultaneously exposing a first plurality of the drug samples in the array to a first controlled condition for a period of time within an exposure period, and evaluating a plurality of the exposed drug samples at a first time and a second time using a non-destructive test in order to determine whether the condition has an affect on one or more of the drug samples over time. At least a portion of the exposure period between said first and second time, and the non-destructive test is the same each time.